# MODULE: 3 (HTML 5)

1. What are the new tags added in HTML5?

Ans.

-> HTML5 introduced many new tags that will benefit many developers. These tags are generally

-> Supported by all major browsers. These tags belong to many aspects such as graphics, media, and forms.

**List of all elements introduced in HTML5:**

* [**<article>**](https://www.geeksforgeeks.org/html5-article-tag/)**,**[**<aside>**](https://www.geeksforgeeks.org/html5-aside-tag/) ,[**<audio>**](https://www.geeksforgeeks.org/html5-audio/) ,[**<canvas>**](https://www.geeksforgeeks.org/html-canvas-tag/),[**<details list>**](https://www.geeksforgeeks.org/html-datalist-tag/),[**<details>**](https://www.geeksforgeeks.org/html5-details-tag/)
* [**<embed>**](https://www.geeksforgeeks.org/html-embed-tag/),[**<figure>**](https://www.geeksforgeeks.org/html5-figure-tag/) ,[**<footer>**](https://www.geeksforgeeks.org/html5-footer-tag/),[**<header>**](https://www.geeksforgeeks.org/html-5-header-tag/)**,**[**<h group>**](https://www.geeksforgeeks.org/html-hgroup-tag/),[**<keygen>**](https://www.geeksforgeeks.org/html-keygen-tag/)
* [**<mark>**](https://www.geeksforgeeks.org/html-mark-tag/) ,[**<meter>**](https://www.geeksforgeeks.org/html5-meter-tag/)**,**[**<nav>**](https://www.geeksforgeeks.org/html-nav-tag/) ,[**<output>**](https://www.geeksforgeeks.org/html-output-tag/)**,**[**<progress>**](https://www.geeksforgeeks.org/html-5-progress-tag/),[**<ruby>**](https://www.geeksforgeeks.org/html5-ruby-tag/)
* [**<section>**](https://www.geeksforgeeks.org/html-section-tag/)**,**[**<time>**](https://www.geeksforgeeks.org/html-time-tag/),[**<wbr>**](https://www.geeksforgeeks.org/html-5-wbr-tag/)**,**[**<video>**](https://www.geeksforgeeks.org/html5-video/)**tag:**

1. How to embed audio and video in a webpage?

Ans.

-> Audio- The tag is an inline element which is used to embed sound files into a web page. It is a very useful tag if you want to add audio such as songs, interviews, etc on your webpage.

-> Video- To embed the video in the webpage, we use src element for mentioning the file address and width and height attributes are used to define its size. Example: In this example, we are using tag to add video into the web page

**3)** Semantic element in HTML5?

Ans.

-> A semantic element clearly describes its meaning to both the browser and the developer.

-> Examples of **semantic** elements: <form>, <table>, and <article> - Clearly defines its content.

**4)** Canvas and SVG tags

Ans

=>Canvas

->The HTML element is used to draw graphics, on the fly, via JavaScript. The element is only a container for graphics. You must use JavaScript to actually draw the graphics. Canvas has several methods for drawing paths, boxes, circles, text, and adding images.

**->** The HTML 5 tag is used to draw graphics using scripting language like JavaScript. The element is only a container for graphics, you must need a scripting language to draw the graphics.

=>SVG tags

-> HTML Tag The tag is used as a container for SVG graphics. SVG (Scalable Vector Graphics) is a language for two-dimensional graphics based on XML with support for animation and interactivity. To draw images, it uses simple geometrical figures (circle, lines, polygon, etc.)

-> SVG stands for Scalable Vector Graphics SVG is used to define vector-based graphics for the Web SVG defines the graphics in XML format Every element and every attribute in SVG files can be animated SVG is a W3C recommendation SVG integrates with other W3C standards such as the DOM and XSL.